

In the claims:

Following is a complete set of claims as amended with this Response.

1. (Currently Amended) A method for opening a communications stream between a user terminal and a base station in a communications system comprising:

registering the base station and the user terminal with each other by exchanging identification information and configuration information;

sending a request message in an uplink random access slot of a time division multiple access frame to open a communications stream from the user terminal to the base station;

receiving a channel assignment message from the base station in a downlink random access slot of the same time division multiple access frame in response to the request message, the channel assignment message including an identification of an assigned communications channel for the communications stream, the assigned channel being within slots of a repeating time division multiple access frame;

sending data from the user terminal and receiving data from the base station over the assigned communications channel in the frame following the frame in which the request message was sent;

~~sending a further request message to open a further communications stream from the user terminal to the base station over the assigned communications channel;~~

~~receiving a further channel assignment message from the base station in response to the further request message, the further channel assignment message including an identification of a further assigned communications channel for the further communications stream; and~~

~~sending data from the user terminal and receiving data from the base station over the further assigned communications channel.~~

2. (Previously Presented) The method of Claim 1, further comprising receiving data to transmit at a buffer in the user terminal and wherein sending request message is performed in response to data having been received in the buffer.
3. (Previously Presented) The method of Claim 1, wherein the request message comprises an identification of the registration information.
4. (Previously Presented) The method of Claim 1, wherein the request message comprises an extended training sequence to assist the base station in measuring spatial parameters.
5. (Original) The method of Claim 1, wherein sending the request message comprises sending the request message on a random access channel that is shared with other user terminals.
6. (Previously Presented) The method of Claim 5, wherein the random access channel is assigned to the user terminal during registering.
7. (Previously Presented) The method of Claim 1, wherein, the configuration information includes information regarding capabilities and communications environment of the user terminal.
8. (Previously Presented) The method of Claim 1, wherein the request message includes information about a power level with which the request message is transmitted and wherein the channel assignment message includes information about a power level with which the remote should transmit on the assigned communications channel.

9. (Original) The method of Claim 1, wherein the channel assignment message includes a timing correction for the user terminal to apply when sending data over the assigned communications channel.

10. (Reinstated) The method of Claim 1, further comprising:
sending a further request to open a further communication stream from the user terminal to the base station over the assigned communications channel;
receiving a further channel assignment message from the base station in response to the further request message, the further channel assignment message including an identification of a further assigned communications channel for the further communications stream; and
sending data from the user terminal and receiving data from the base station over the further assigned communications channel.

11. (Previously Presented) The method of Claim 1, further comprising receiving a page from the base station and wherein sending the request message comprises sending the request message in response to the received page.

12. (Currently Amended) A machine-readable medium having stored thereon data representing sequences of instructions which, when executed by a machine, cause the machine to perform operations comprising:
registering the base station and the user terminal with each other by exchanging identification information and configuration information;
sending a request message in an uplink random access slot of a time division multiple access frame to open a communications stream from the user terminal to the base station;

receiving a channel assignment message from the base station in a downlink random access slot of the same time division multiple access frame in response to the request message, the channel assignment message including an identification of an assigned communications channel for the communications stream, the assigned channel being within slots of a repeating time division multiple access frame;

sending data from the user terminal and receiving data from the base station over the assigned communications channel in the frame following the frame in which the request message was sent;

sending a further request message to open a further communications stream from the user terminal to the base station over the assigned communications channel;

receiving a further channel assignment message from the base station in response to the further request message, the further channel assignment message including an identification of a further assigned communications channel for the further communications stream; and

sending data from the user terminal and receiving data from the base station over the further assigned communications channel.

13. (Previously Presented) The medium of Claim 12, further comprising instructions which, when executed by the machine, cause the machine to perform further operations comprising receiving data to transmit at a buffer in the user terminal and wherein the instructions for sending the request message are performed in response to data having been received in the buffer.

14. (Previously Presented) The medium of Claim 12, wherein the request message comprises an identification of the registration information.

15. (Original) The medium of Claim 12, wherein the instructions for sending the request message further comprise instructions which, when executed by the machine, cause the machine to perform further operations comprising sending the request message on a random access channel is assigned to the user terminal during registering and that is shared with other user terminals.

16. (Previously Presented) The medium of Claim 12, wherein the request message includes information about a power level with which the request message is transmitted and wherein the channel assignment message includes information about a power level with which the remote should transmit on the assigned communications channel.

17. (Currently Amended) A method for opening a communications stream between a user terminal and a base station in a communications system comprising:
registering the base station and the user terminal with each other by exchanging identification information and configuration information;
receiving a request message in an uplink random access slot of a time division multiple access frame to open a communications stream at the base station from the user terminal;
sending a channel assignment message from the base station in a downlink random access slot of the same time division multiple access frame in response to the request message, the channel assignment message including an identification of an assigned communications channel for the communications stream, the assigned channel being within slots of a repeating time division multiple access frame;

receiving data from the user terminal and sending data from the base station over the assigned communications channel in the frame following the frame in which the request message was sent;

~~receiving a further request message to open a further communications stream at the base station from the user terminal over the assigned communications channel;~~

~~sending a further channel assignment message from the base station in response to the further request message, the further channel assignment message including an identification of a further assigned communications channel for the further communications stream; and~~

~~receiving data from the user terminal and sending data from the base station over the further assigned communications channel.~~

18. (Previously Presented) The method of Claim 17, wherein the request message comprises an identification of the registration information.

19. (Previously Presented) The method of Claim 17, wherein the request message comprises an extended training sequence to assist the base station in measuring spatial parameters.

20. (Original) The method of Claim 17, wherein receiving the request message comprises receiving the request message on a random access channel that is assigned to the user terminal during registering and that is shared with other user terminals.

21. (Previously Presented) The method of Claim 17, wherein the configuration information includes information regarding capabilities and communications environment of the user terminal.

22. (Previously Presented) The method of Claim 17, further comprising sending a page from the base station and wherein receiving the request message comprises receiving a request message in response to the sent page.

23. (Original) The method of Claim 17, further comprising receiving data to transmit at a buffer in the base station and wherein sending a page is performed in response to data having been received in the buffer.

24. (Currently Amended) A machine-readable medium having stored thereon data representing sequences of instructions which, when executed by a machine, cause the machine to perform operations comprising:

registering a base station and a user terminal of a communications system with each other by exchanging identification information and configuration information; receiving a request message in an uplink random access slot of a time division multiple access frame to open a communications stream at the base station from the user terminal;

sending a channel assignment message from the base station in a downlink random access slot of the same time division multiple access frame in response to the request message, the channel assignment message including an identification of an assigned communications channel for the communications stream, the assigned channel being within slots of a repeating time division multiple access frame;

receiving data from the user terminal and sending data from the base station over the assigned communications channel in the frame following the frame in which the request message was sent;

~~receiving a further request message to open a further communications stream at the base station from the user terminal over the assigned communications channel; sending a further channel assignment message from the base station in response to the further request message, the further channel assignment message including an identification of a further assigned communications channel for the further communications stream; and receiving data from the user terminal and sending data from the base station over the further assigned communications channel.~~

25. (Previously Presented) The medium of Claim 24, wherein the request message comprises an identification of registration information.
26. (Previously Presented) The medium of Claim 24, wherein the request message comprises an extended training sequence to assist the base station in measuring spatial parameters.
27. (Original) The medium of Claim 24, wherein the instructions for receiving the request message further comprise instructions which, when executed by the machine, cause the machine to perform further operations comprising receiving the request message on a random access channel that is assigned to the user terminal during registering and that is shared with other user terminals.
28. (Previously Presented) The medium of Claim 24, wherein, the configuration information includes information regarding capabilities and communications environment of the user terminal.

29. (Previously Presented) The medium of Claim 24, further comprising instructions which, when executed by the machine, cause the machine to perform further operations comprising sending a page from the base station and wherein the instructions for receiving the request message further comprise instructions which, when executed by the machine, cause the machine to perform further operations comprising receiving a request message in response to the sent page.

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